

SYSTEMS AND METHODS FOR CONTROLLING AND MONITORING MULTIPLE ELECTRONIC DEVICES

ABSTRACT OF THE DISCLOSURE

A device control system for controlling multiple electronic devices over a network with a centralized host device is disclosed. The device control system includes a host device providing a graphical interface for a user to control various electronic devices throughout a home, building, or industrial plant. The host device is connected to multiple devices over a network and controls the electronic devices in real-time. The host device runs a managing controlling process that closes the control loops for each device over the network at the host device. Multiple devices are controlled in real-time using a 2^N time slicing algorithm. The host device can be accessed from a remote location by establishing an Internet connection.

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